

**FLOWPLANT GROUP Ltd.**

SUPPLIERS OF SPECIALITY CHEMICALS

Flowplant Manufacturing Ltd., Gemini House, Brunel Road, Churchfields Ind., Est., Salisbury, Wilts, SP2 7PU

**MATERIAL SAFETY DATA SHEET**

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**1. Product Name:** NEOLITH HDLS**Intended Use:** Construction Industry; Alkaline cleaning.**2. Chemical Composition/Information on Ingredients:**

| Hazardous Ingredient | Index No  | % w/w range | OEL/MEL | Hazards |
|----------------------|-----------|-------------|---------|---------|
| Sodium Hydroxide     | 1310-73-2 | <25         | 2 ppm   | C, R35  |
|                      |           |             |         |         |
|                      |           |             |         |         |

**3. Hazard Identification:**

Corrosive causes severe burns.

**4. First Aid Measures:**

|             |  |
|-------------|--|
| EYES:       | Immediately rinse with clean water for 15 minutes. Obtain prompt medical attention.  |
| SKIN:       | Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist. |
| INGESTION:  | Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain urgent medical attention.                            |
| INHALATION: | Remove to fresh air and seek medical attention if symptoms persist.  |

**11. Toxicological Information:**

|             |   |
|-------------|---|
| EYES:       | Severe irritation resulting in serious damage if first aid is not prompt. |
| SKIN:       | Causes severe slow healing burns.   |
| INGESTION:  | Severe burns and damage to gastro intestinal tract.                       |
| INHALATION: | Mist or Spray: Severe irritation. Effects may vary with concentration.    |

**5. Fire Fighting Measures:**

|                           |                                     |
|---------------------------|-------------------------------------|
| EXTINGUISHING MEDIA:      | Foam, carbon dioxide or dry powder. |
| SPECIAL EXPOSURE HAZARDS: | Irritating fumes.                   |
| SPECIAL INSTRUCTIONS:     | Wear breathing apparatus.           |

**12. Ecological Information:**

|                  |                                   |
|------------------|-----------------------------------|
| AQUATIC TOXICITY | Harmful due to pH effects.        |
| BIODEGRADABILITY | Readily biodegradable.            |
| MOBILITY         | Not persistent in the environment |

**6. Accidental Release Measures:**

For large spillage evacuate personnel. Wear personal protection (see sect. 8)  
Do not allow to enter storm drains or water courses. If this occurs inform authorities.  
Contain spillages. Neutralize with mineral acid and flush to fowl drain with water.

**13. Disposal Considerations:**

Use only licensed waste disposal companies.  
Rinse empty containers with water.  
Damage empty containers if disposed of via local waste.

**7. Handling and Storage:**

Avoid contact with eyes and skin. Avoid breathing mist or spray. Keep away from aluminium and other light alloys.

**14. Transport Information:**

|                 |      |       |   |           |   |
|-----------------|------|-------|---|-----------|---|
| UN              | 1760 | CLASS | 8   | TRANS CAT | 2 |
| UN Description: |      |       | Corrosive liquid NOS contains sodium hydroxide. |           |   |

**8. Personal Protection:**

|          |   |               |  |
|----------|---|---------------|--|
| GOGGLES  | Safety glasses, goggles or full-face visor. | APRONS        | Yes if danger of splashing.                    |
| GLOVES   | Impervious gloves (pvc)                     | RESPIRATORS   | Only for high concentrations of mist or spray. |
| OVERALLS | Yes if danger of splashing.                 | BARRIER CREAM | Recommended                                    |

**15. Regulatory Information:**

|               |                           |
|---------------|---------------------------|
| SYMBOL:       | CORROSIVE                 |
| RISK PHRASES: | R35, Causes severe burns. |

**9. Physical and Chemical Properties:**

|             |                 |   |  |
|-------------|-----------------|---|--|
| APPEARANCE  | Clear liquid    | SAFETY PHRASES:   |  |
| ODOUR       | Bland           | S26, In case of contact with eyes rinse immediately with plenty of water and seek medical advice. |  |
| pH          | >13             | S36/37/38, Wear suitable protective clothing, gloves and eye/face protection.                     |  |
| SG          | 1.2 typical     |   |  |
| FLASH POINT | Not applicable. |   |  |
| SOLUBILITY  | Soluble.        |   |  |

**10. Stability and Reactivity:**

Stable under normal conditions. Avoid contact with acids, aluminium and other light alloys. Reaction with strong acids generates heat. Will react with aluminium and other light alloys to produce flammable hydrogen gas.

**16. Other Information:**

Refer to section 1. No other usage is recommended unless advised in writing by **Flowplant Manufacturing Ltd.**